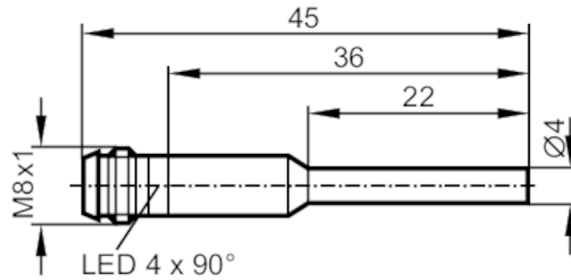


IZ5035



Inductive sensor

IZB30,8-BPKG/V2A/AS-514-TPS RT



Product characteristics

| | |
|--------------------|---------------|
| Electrical design | PNP |
| Output function | normally open |
| Sensing range [mm] | 0.8 |
| Housing | cylindrical |
| Dimensions [mm] | Ø 4 / L = 45 |

Electrical data

| | |
|-----------------------------|------------|
| Operating voltage [V] | 10...36 DC |
| Current consumption [mA] | 15; (24 V) |
| Protection class | III |
| Reverse polarity protection | yes |

Outputs

| | |
|--|---------------|
| Electrical design | PNP |
| Output function | normally open |
| Max. voltage drop switching output DC [V] | 2.5 |
| Permanent current rating of switching output DC [mA] | 100 |
| Switching frequency DC [Hz] | 2000 |
| Short-circuit protection | yes |
| Type of short-circuit protection | pulsed |
| Overload protection | yes |

Detection zone

| | |
|-------------------------------|----------------|
| Sensing range [mm] | 0.8 |
| Real sensing range S_r [mm] | $0.8 \pm 10\%$ |
| Operating distance [mm] | 0...0.65 |

Accuracy / deviations

| | |
|----------------------------------|---|
| Correction factor | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis [% of S_r] | 1...15 |
| Switch point drift [% of S_r] | -10...10 |

Operating conditions

| | |
|--------------------------|----------|
| Ambient temperature [°C] | -25...70 |
| Protection | IP 65 |

IZ5035



Inductive sensor

IZB30,8-BPKG/V2A/AS-514-TPS RT

| Tests / approvals | | |
|-------------------|----------------|-------------|
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF | [years] | 953 |
| UL approval | Ta | -25...70 °C |
| | Enclosure type | Type 1 |
| | voltage supply | Class 2 |
| | File number UL | E174191 |

| Mechanical data | | |
|-----------------|------|--|
| Weight | [g] | 13 |
| Housing | | cylindrical |
| Mounting | | flush mountable |
| Dimensions | [mm] | Ø 4 / L = 45 |
| Materials | | housing: stainless steel (1.4305 / 303); sensing face: POM |

| Displays / operating elements | | |
|-------------------------------|------------------|------------------|
| Display | switching status | 4 x 90° LED, red |

| Accessories | | |
|------------------------|--|--------------------|
| Accessories (supplied) | | Mounting clamps: 1 |

| Remarks | | |
|---------------|--|--------|
| Pack quantity | | 1 pcs. |

Electrical connection - plug

Connector: 1 x M8



Connection

